

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003849

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N1/20 G01N33/28 G01F1/74

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N G01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/49370 A (ANDREUSSI PAOLO) 24 August 2000 (2000-08-24) cited in the application abstract; figures 1,2 page 3, line 9 - page 6, line 33 page 7, line 13 - page 8, line 23 page 9, line 10 - page 10, line 17 page 11, line 12 - page 14, line 17	1-79
X	US 4 881 412 A (NORTHEGE RONALD) 21 November 1989 (1989-11-21) abstract; figures 1,2	1-17, 29-45,56 18-28, 46-55
Y	column 1, line 62 - column 2, line 16 column 2, line 40 - column 3, line 62 column 4, line 6 - line 62 column 5, line 21 - column 6, line 60 ----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

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\*P\* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

2 December 2004

Date of mailing of the international search report

10/12/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6 128 962 A (MARRELLI JOHN D ET AL) 10 October 2000 (2000-10-10) abstract; figures 2,3  column 2, line 40 - column 3, line 20 column 4, line 10 - column 6, line 67 -----	1-17, 29-45,56 18-28, 46-55
X	US 5 861 561 A (LOVING ROGER SCOTT ET AL) 19 January 1999 (1999-01-19) abstract; figures 1-9 column 2, line 31 - line 63 column 3, line 5 - column 4, line 43 -----	1-17, 29-45,56
X	US 5 535 632 A (KOLPAK MIROSLAV M) 16 July 1996 (1996-07-16) abstract; figures 2,4 column 4, line 45 - column 5, line 56 column 6, line 56 - column 8, line 10 -----	1-17, 29-45,56
X Y	EP 0 690 292 A (TEXACO DEVELOPMENT CORP) 3 January 1996 (1996-01-03) abstract; figure 1  column 1, line 35 - column 2, line 58 -----	57-79  18-28, 46-55
X A	US 4 574 643 A (RHODES EDWARD ET AL) 11 March 1986 (1986-03-11) abstract; figures 1,2  column 2, line 34 - column 3, line 19 column 3, line 56 - column 4, line 44 -----	57-79  18-28, 46-55
X A	US 4 429 581 A (FURMAGA ROBERT E) 7 February 1984 (1984-02-07) abstract; figure 1  column 1, line 41 - column 2, line 12 column 2, line 21 - column 4, line 40 -----	57-79  18-28, 46-55
A	WO 98/33051 A (TEXACO DEVELOPMENT CORP) 30 July 1998 (1998-07-30) abstract; figure 1 page 3, line 1 - line 4 page 5, line 10 - page 6, line 5 -----	1-79
A	US 5 654 502 A (DUTTON ROBERT E) 5 August 1997 (1997-08-05) abstract; figure 1 -----	1-79
A	US 5 894 080 A (DYBDAHL BJOERN) 13 April 1999 (1999-04-13)  abstract; figures 1,2 column 1, line 51 - line 57 column 4, line 21 - line 47 -----	18-28, 46-55, 57-79
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A	EP 0 561 557 A (HORIBA INSTR INC) 22 September 1993 (1993-09-22) abstract; figure 1 column 2, line 37 - column 3, line 23 -----	1-79
A	US 4 776 210 A (HSU FRANK H ET AL) 11 October 1988 (1988-10-11) abstract; figures 1-7 column 1, line 45 - column 2, line 30 -----	1-79
A	US 4 167 117 A (STOKLEY CHARLES O ET AL) 11 September 1979 (1979-09-11) abstract; figures 1,2,4 -----	1-79
A	WO 95/22400 A (DYBDAHL BJOERN) 24 August 1995 (1995-08-24)  abstract; figures 1,2 -----	18-28, 46-55, 57-79

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